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Claim 37 (amended) A system for recovering valent metals from refuse secondary batteries comprising A) a means for crushing refuse secondary batteries, B) a separating means to mechanically separate the crushed refuse secondary batteries and to separate them into a separated cathode material and a separated anode material, C) an oxidizing means to oxidize the cathode material separated by the separating means at a temperature lower than 300°C for recovering the valent metals, and D) a means to recover valent metals from the separated anode material obtained by the separating means.

Claim 38 (amended) A system for recovering valent metals from refuse secondary batteries comprising A) a means for crushing refuse secondary batteries, B) a separating means to mechanically separate the crushed refuse secondary batteries and to separate them into a separated cathode material and a separated anode material, C) a reduction fusing device to reduce and fuse the separated cathode material by separating device after adding either carbon or plastic to the cathode material and D) a decarbonizing device to heat the separated cathode material under an oxidized atmosphere and to oxidize and remove carbon contained in the valent metals either prior or following the reduction fusing process, thereby recovering the valent metals, and E) means to recover valent metals from the separated anode material obtained by the separating means.